Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_ Per.: \_\_\_\_\_\_\_\_

**Quadrilateral Quiz Study Guide**

1. Be able to prove the following theorems about parallelograms:
   1. Opposite sides of a parallelogram are congruent.
   2. Diagonals of a parallelogram bisect each other.
   3. Opposite angles of a parallelogram are congruent.
   4. Diagonals of a rectangle are congruent.
   5. *Diagonals of a rhombus are perpendicular (possible extra credit)*
2. Be able to prove the following theorems to show a quadrilateral is a parallelogram:
   1. if both pair of opposite sides of a quadrilateral are congruent
   2. if diagonals bisect each other
   3. if one pair of opposite sides are both parallel and congruent
3. Use the properties of quadrilaterals to calculate missing sides and angles

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_ Per.: \_\_\_\_\_\_\_\_

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